

AMENDMENT TO THE CLAIMS

Applicants selectively amend the claims as follows:

Listing of Claims:

- 1 1. (Currently Amended) An apparatus comprising:
2 a data path output unit to output a packet header, the packet header including:
3 a format field to partially specify the packet header format; and
4 a type field to specify a transaction type, wherein the format field and the type
5 field together specify the packet header format, the format field also indicates the size of
6 the packet header and whether the packet includes data.
- 1 2-4. (Canceled).
- 1 5. (Currently Amended) The apparatus of claim 1 [[4]], wherein the format field and the type
2 field are located in the first byte of the packet header to be output by the data path output unit.
- 1 6. (Currently Amended) An apparatus comprising:
2 a data path input unit to receive a packet header, the packet header including:
3 a format field to partially specify the packet header format; and

4 a type field to specify a transaction type, wherein the format field and the type field
5 together specify the packet header format, the format field also indicates the size of the packet
6 header and whether the packet includes data.

1 7-9. (Canceled).

1 10. (Currently Amended) The apparatus of claim 6 [[9]], wherein the format field and the type
2 field are located in the first byte of the packet header to be output by the data path output unit.

1 11. (Currently Amended) A system comprising:

2 a transmitting device to transmit a packet header, the packet header including a format
3 field to partially specify the packet header format and a type field to specify a transaction type,
4 wherein the format field and the type field together specify the packet header format, the format
5 field also indicates the size of the packet header and whether the packet includes data; and

6 a receiving device coupled ~~couple~~ to the transmitting device, the receiving device to
7 receive the packet header.

1 12-14. (Canceled).

1 15. (Currently Amended). The system of claim 11 [[14]], wherein the transmitting device and
2 the receiving device are coupled via a serial interface.

1 16. (Original). The system of claim 15, wherein the format field and the type field are located in
2 the first byte of the packet header to be output by the transmitting device.

1 17. (New) The apparatus of claim 1, wherein the transaction type comprises one of requests or
2 completions.

1 18. (New) The apparatus of claim 6, wherein the transaction type comprises one of requests or
2 completions.

1 19. (New) An apparatus comprising:
2 a data path output unit to output a packet header for a transaction layer packet, wherein
3 the packet header includes:
4 a format field to partially specify the packet header format; and
5 a type field to specify a transaction type, wherein the format field and the type field are
6 located in the first byte of the packet header and together specify the packet header format,
7 the format field also indicates the size of the packet header and whether the packet includes a
8 data payload that is four-byte, naturally aligned and limited in size by a maximum data
9 payload value.

1 20. (New) The apparatus of claim 19, wherein the transaction type comprises one of a request or
2 a completion.

1 21. (New) The apparatus of claim 20, wherein the request transaction type comprises one of a
2 memory read request or a memory write request.

1 22. (New) The apparatus of claim 21, wherein the completion transaction type comprises one of
2 a return read data completion or an acknowledge completion of an input/output and
3 configuration write transaction.